

Data sheet article CSF-48

Technical data and application safety

Webcraft GmbH
Industriepark 206
78244 Gottmadingen, Germany

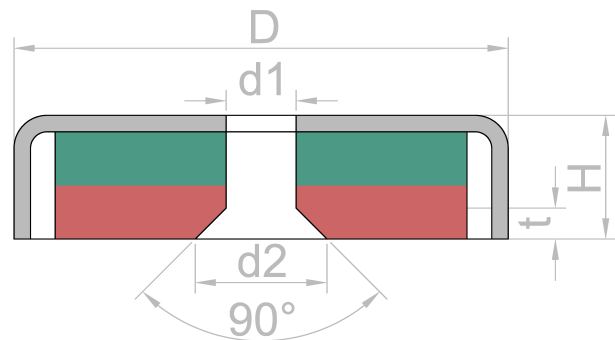
Phone: +49 7731 939 839 1

www.supermagnete.pt
support@supermagnete.pt

1. Technical information

Ferrite pot magnet Ø 48 mm with countersunk hole, holds approx. 23 kg

Article ID	CSF-48
EAN	7640155431552
Material	Ferrite
Strength	approx. 23 kg (approx. 226 N)
Displacement force	approx. 4,6 kg (approx. 45,1 N)
Pot diameter D	48 mm
Pot height H	11,5 mm
Hole d1	8,5 mm
Hole d2	18,12 mm
Countersink t	4,81 mm
Magnetisation	Y30BH
Coating	Nickel-coated (Ni-Cu-Ni)
Max. working temperature	50 °C
Tolerance	+/- 0,1 mm
Thread size	Without thread
Product version	With countersunk hole
Shape	Disc
Steel	Q235 (China)
Weight	111,000 g





Product compliant with the latest European RoHS directive.





Product compliant with the latest European REACH regulation.

2. Safety tips


<p>Danger</p> 	<p>Swallowing</p>
	<p>Children could swallow small magnets.</p>
	<p>If several magnets are swallowed, they could get stuck in the intestine and cause perilous complications.</p> <p>Magnets are not toys! Make sure that children don't play with magnets.</p>


Warning 	<p>Contusions</p> <p>Big magnets have a very strong attractive force. Unsafe handling could cause jamming of fingers or skin in between magnets. This may lead to contusions and bruises.</p> <p>Wear heavy protective gloves when handling larger magnets.</p>
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Warning 	<p>Pacemaker</p> <p>Magnets could affect the functioning of pacemakers and implanted heart defibrillators.</p> <ul style="list-style-type: none"> • A pacemaker could switch into test mode and cause illness. • A heart defibrillator may stop working. • If you wear these devices keep sufficient distance to magnets: www.supermagnete.pt/faq/distance • Warn others who wear these devices from getting too close to magnets.
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Warning 	<p>Heavy objects</p> <p>Too heavy loads, symptoms of fatigue as well as material defect could cause a magnet or magnetic hook to loosen from the surface that it was attached to. Falling objects could lead to serious injuries.</p> <ul style="list-style-type: none"> • The indicated adhesive force applies only to ideal conditions. Allow for a high safety cushion. • Don't use magnets in places where people could sustain injuries in case of material failure.
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3. Handling and storing



Caution 	<p>Magnetic field</p> <p>Magnets produce a far-reaching, strong magnetic field. They could damage TVs and laptops, computer hard drives, credit and ATM cards, data storage media, mechanical watches, hearing aids and speakers.</p> <ul style="list-style-type: none"> • Keep magnets away from devices and objects that could be damaged by strong magnetic fields. • Please refer to our table of recommended distances: www.supermagnete.pt/faq/distance
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Notice 	<p>Influence on people</p> <p>According to the current level of knowledge, magnetic fields of permanent magnets do not have a measurable positive or negative influence on people. It is unlikely that permanent magnets constitute a health risk, but it cannot be ruled out entirely.</p> <ul style="list-style-type: none"> • For your own safety, avoid constant contact with magnets. • Store large magnets at least one metre away from your body.
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Notice 	<p>Temperature resistance</p> <p>Ferrite magnets can be used at temperatures between -40°C and 250°C. At lower and higher temperatures they lose part of their adhesive force permanently.</p> <p>Don't use ferrite magnets in places where they are exposed to temperatures below -40°C or above 250°C.</p>
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Notice 	<p>Mechanical treatment</p> <p>Ferrite magnets are brittle. When drilling or sawing a magnet with improper tools, the magnet may break.</p> <p>Stay away from mechanical treatment of magnets if you do not possess the necessary equipment and experience.</p>
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4. Transportation tips

<p>Caution</p> 	<p>Airfreight</p> <p>Magnetic fields of improperly packaged magnets could influence airplane navigation devices. In the worst case it could lead to an accident.</p> <ul style="list-style-type: none">• Airfreight magnets only in packaging with sufficient magnetic shielding.• Please refer to the respective regulations: www.supermagnete.pt/faq/airfreight
<p>Caution</p> 	<p>Postage</p> <p>Magnetic fields of improperly packaged magnets could cause disturbances in sorting machines and damage fragile goods in other packages.</p> <ul style="list-style-type: none">• Please refer to our shipping tips: www.supermagnete.pt/faq/shipping• Use a large box and place the magnet in the middle surrounded by lots of padding material.• Arrange magnets in a package in a way that the magnetic fields neutralise each other.• If necessary, use sheet iron to shield the magnetic field.• There are stricter rules for airfreight: Refer to the warning notice "Airfreight".

TARIC-Code: 8505 1910 90 0

Origin: China

For more information about magnets please review
<https://www.supermagnete.pt/faqs>.

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